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| Substitute for form 1449A/PTO | | Complete If Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Application Number | 10/769,588 |
| | | Filing Date | January 30, 2004 |
| | | First Named Inventor | HOFFBECK, Loren John |
| | | Art Unit | 1638 |
| | | Examiner Name | |
| Sheet 1 of 4 | Attorney Docket Number | P06640US00 - 1842 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|------------|--|--------------------------------|--|---|
| Examiner Initials * | Cite No. 1 | Document Number Number - Kind Code 2 (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| AM | 1 | 4,812,599 | 03/14/1989 | Segebart | |
| | 2 | 5,082,992 | 01/21/1992 | Ambrose | |
| | 3 | 5,618,987 | 04/08/1997 | Hoffbeck | |
| | 4 | 5,689,034 | 11/18/1997 | Fullerton | |
| | 5 | 5,723,723 | 03/03/1998 | Hoffbeck | |
| | 6 | 5,763,744 | 06/09/1998 | Noble, Jr. | |
| | 7 | 5,763,757 | 06/09/1998 | Williams et al. | |
| | 8 | 5,844,116 | 12/01/1998 | Piper | |
| | 9 | 5,859,318 | 01/12/1999 | Hoffbeck | |
| AM | 10 | 6,124,531 | 09/26/2000 | Fullerton | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|------------|---|--------------------------------|--|---|-----|
| Examiner Initials * | Cite No. 1 | Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T 6 |
| AM | 11 | EP 160390 | 11/06/1985 | Stauffer Chemical Co. | | |
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| | | Attorney Docket Number | P06640US00 - 1842 |
| Sheet | 2 | of | 4 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|------------|---|-----|
| Examiner Initials * | Cite No. * | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T * |
| AM | 12 | Plant Variety Protection Act, Certificate No. 9600171 for Corn 'PH44A' issued 07/30/1999 | |
| | 13 | Plant Variety Protection Act, Certificate No. 9600204 for Corn 'PH24E' issued 07/30/1999 | |
| | 14 | Plant Variety Protection Act, Certificate No. 9900022 for Corn, Field 'PH1W2' issued 06/14/2001 | |
| | 15 | Plant Variety Protection Act, Certificate No. 9900380 for Corn, Field 'PH3KP' issued 11/08/2001 | |
| | 16 | Plant Variety Protection Act, Certificate No. 200100231 for Corn, Field 'PH7CH' issued 04/10/2003 | |
| | 17 | Plant Variety Protection Act, Certificate No. 200100247 for Corn, Field 'PH7CP' issued 05/23/2003 | |
| | 18 | Plant Variety Protection Act, Certificate No. 200100250 for Corn, Field 'PH581' issued 05/23/2003 | |
| | 19 | Plant Variety Protection Act, Certificate No. 200100254 for Corn, Field 'PH5WB' issued 09/25/2003 | |
| | 20 | Plant Variety Protection Act, Certificate No. 200100262 for Corn, Field 'PH6JM' issued 09/12/2003 | |
| | 21 | Berry et. al., Assessing Probability of Ancestry Using Simple Sequence Repeat Profiles: Applications to Maize Inbred Lines and Soybean Varieties" Genetics 165:331-342 (2003) | |
| | 22 | Boppenmaier, et al., "Comparisons Among Strains of Inbreds for RFLPs", Maize Genetics Cooperative Newsletter, 65:1991, pp. 90 | |
| | 23 | Conger, B.V., et al. (1987) "Somatic Embryogenesis From Cultured Leaf Segments of Zea Mays", Plant Cell Reports, 6:345-347 | |
| | 24 | Duncan, D.R., et al. (1985) "The Production of Callus Capable of Plant Regeneration From Immature Embryos of Numerous Zea Mays Genotypes", Planta, 165:322-332 | |
| | 25 | Edallo, et al. (1981) "Chromosomal Variation and Frequency of Spontaneous Mutation Associated with in Vitro Culture and Plant Regeneration in Maize", Maydica, XXVI:39-56 | |
| | 26 | Fehr, Walt, Principles of Cultivar Development, pp. 261-286 (1987), McGraw Hill | |
| | 27 | Green, et al. (1975) "Plant Regeneration From Tissue Cultures of Maize", Crop Science, Vol. 15, pp. 417-421 | |
| | 28 | Green, C.E., et al. (1982) "Plant Regeneration in Tissue Cultures of Maize" Maize for Biological Research, pp. 367-372 | |
| | 29 | Hallauer, A.R. et al. (1988) "Corn Breeding" Corn and Corn Improvement, No. 18, pp. 463-481 | |
| | 30 | Lee, Michael (1994) "Inbred Lines of Maize and Their Molecular Markers", The Maize Handbook Ch. 65:423-432 | |
| | 31 | Meghji, M.R., et al. (1984) "Inbreeding Depression, Inbred & Hybrid Grain Yields, and Other Traits of Maize Genotypes Representing Three Eras", Crop Science, Vol. 24, pp. 545-549 | |
| | 32 | Openshaw, S.J., et al. (1994) "Marker-assisted selection in backcross breeding". p. 41-43. In Proceedings of the Symposium Analysis of Molecular Marker Data. 5-7 August 1994. Corvallis, OR. American Society for Horticultural Science/Crop Science Society of America. | |
| | 33 | Phillips, et al. (1988) "Cell/Tissue Culture and in Vitro Manipulation", Corn & Corn Improvement, 3rd Ed., ASA Publication, No. 18, pp. 345-387 | |
| V | 34 | Poehlman et al (1995) Breeding Field Crop, 4th Ed., Iowa State University Press, Ames, IA., pp. 132-155 and 321-344 | |
| AM | 35 | Rao, K.V., et al., (1986) "Somatic Embryogenesis in Glume Callus Cultures", Maize Genetics Cooperative Newsletter, No. 60, pp. 64-65 | |

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| NON PATENT LITERATURE DOCUMENTS | | | | | |
| Examiner Initials * | Cite No. 1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T 2 | | |
| AM | 36 | Sass, John F. (1977) "Morphology", <u>Corn & Corn Improvement</u> , ASA Publication, Madison, WI pp. 89-109 | | | |
| | 37 | Smith, J.S.C., et al., "The Identification of Female Selfs in Hybrid Maize: A Comparison Using Electrophoresis and Morphology", <u>Seed Science and Technology</u> 14, 1-8, (1986) | | | |
| | 38 | Songstad, D.D. et al. (1988) "Effect of ACC(1-aminocyclopropane-1-carboxylic acid), Silver Nitrate & Norbonadiene on Plant Regeneration From Maize Callus Cultures", <u>Plant Cell Reports</u> , 7:262-265 | | | |
| | 39 | Tomes, et al. (1985) "The Effect of Parental Genotype on Initiation of Embryogenic Callus From Elite Maize (<i>Zea Mays</i> L.) Germplasm", <u>Theor. Appl. Genet.</u> , Vol. 70, p. 505-509 | | | |
| | 40 | Troyer, et al. (1985) "Selection for Early Flowering in Corn: 10 Late Synthetics", <u>Crop Science</u> , Vol. 25, pp. 695-697 | | | |
| | 41 | Umbeck, et al. (1983) "Reversion of Male-Sterile T-Cytoplasm Maize to Male Fertility in Tissue Culture", <u>Crop Science</u> , Vol. 23, pp. 584-588 | | | |
| | 42 | Wan et al., "Efficient Production of Doubled Haploid Plants Through Colchicine Treatment of Anther-Derived Maize Callus", <u>Theoretical and Applied Genetics</u> , 77:889-892, 1989 | | | |
| | 43 | Wright, Harold (1980) "Commercial Hybrid Seed Production", <u>Hybridization of Crop Plants</u> , Ch. 8:161-176 | | | |
| | 44 | Wych, Robert D. (1988) "Production of Hybrid Seed", <u>Corn and Corn Improvement</u> , Ch. 9, pp. 565-607 | | | |
| | 45 | Gogerty, Joseph K., HYBRID MAIZE PLANT & SEED 35Y54, U.S. Serial No. 09/761,167 filed 01/12/2001, now US Patent No. 6756529 | | | |
| | 46 | Grote et al., HYBRID MAIZE PLANT & SEED, U.S. Serial No. 09/759,805 filed 01/12/2001, now US Patent No. 6936755 | | | |
| | 47 | Hoffbeck, Mark David, INBRED MAIZE LINE PH5WB, U.S. Serial No. 09/758,790 filed 01/11/2001, now US Patent No. 6730834 | | | |
| | 48 | Carlone et al., INBRED MAIZE LINE PH581, U.S. Serial No. 09/758,802 filed 01/11/2001, now US Patent No. 6717037 | | | |
| | 49 | Fischer et al., INBRED MAIZE LINE PH7CP, U.S. Serial No. 09/758,859 filed 01/11/2001, now US Patent No. 6723902 | | | |
| | 50 | Gogerty, Joseph K., INBRED MAIZE LINE PH7CH, U.S. Serial No. 09/758,867 filed 01/11/2001, now US Patent No. 6730835 | | | |
| | 51 | Gardner, Candice Ann Cavanaugh, INBRED MAIZE LINE PH6JM, U.S. Serial No. 09/758,804 filed 01/11/2001, now US Patent No. 6809240 | | | |
| AM | 52 | Gardner, Candice Ann Cavanaugh, INBRED MAIZE LINE PH6JM, U.S. Serial No. 09/759,709 filed 01/12/2001, now US Patent No. 6809241 | | | |
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